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(54) PROCEDE ET DISPOSITIF POUR PRODUIRE UN NON-TISSE COMPOSITE SERVANT A ABSORBER ET A RETENIR DES LIQUIDES

(54) METHOD AND DEVICE FOR PRODUCING A COMPOSITE NONWOVEN FOR RECEIVING AND STORING LIQUIDS

(57)

Known methods involve applying a layer of particularly highly absorbent fibers such as woodpulp on a carrier nonwoven and then compacting said composite nonwoven with the aid of water entanglement. One disadvantage of said compacting method is the high woodpulp fiber loss and the associated purification of the circulating water for the entanglement device. According to the invention, a fine layer of microfibers is initially applied before applying the woodpulp fibers. Said microfibers are evenly distributed on the carrier nonwoven using, for instance, a meltblown process and the woodpulp fibers are only then applied in the separating layer. The water during entanglement can no longer merge the woodpulp fibers into the carrier nonwoven due to the fact that the microfibers act as a barrier.



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(54) Titre : PROCEDE ET DISPOSITIF POUR PRODUIRE UN NON-TISSE COMPOSITE SERVANT A ABSORBER ET A RETENIR DES LIQUIDES  
(54) Title: METHOD AND DEVICE FOR PRODUCING A COMPOSITE NONWOVEN FOR RECEIVING AND STORING LIQUIDS

(57) Abrégé/Abstract:

Known methods involve applying a layer of particularly highly absorbent fibers such as woodpulp on a carrier nonwoven and then compacting said composite nonwoven with the aid of water entanglement. One disadvantage of said compacting method is the high woodpulp fiber loss and the associated purification of the circulating water for the entanglement device. According to the invention, a fine layer of microfibers is initially applied before applying the woodpulp fibers. Said microfibers are evenly distributed on the carrier nonwoven using, for instance, a meltblown process and the woodpulp fibers are only then applied in the separating layer. The water during entanglement can no longer merge the woodpulp fibers into the carrier nonwoven due to the fact that the microfibers act as a barrier.